

FIG-2

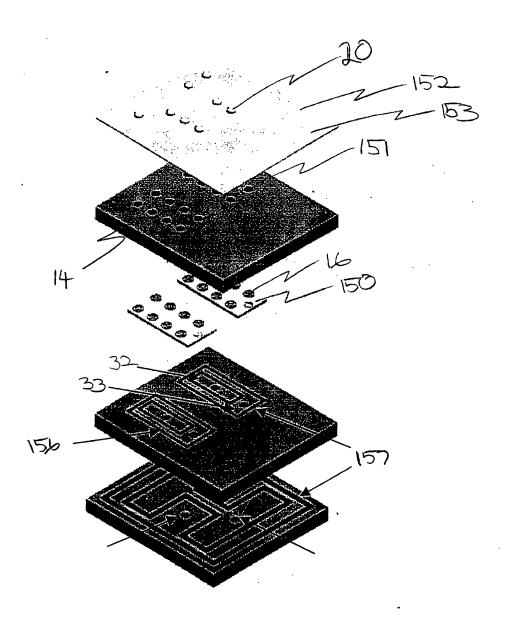
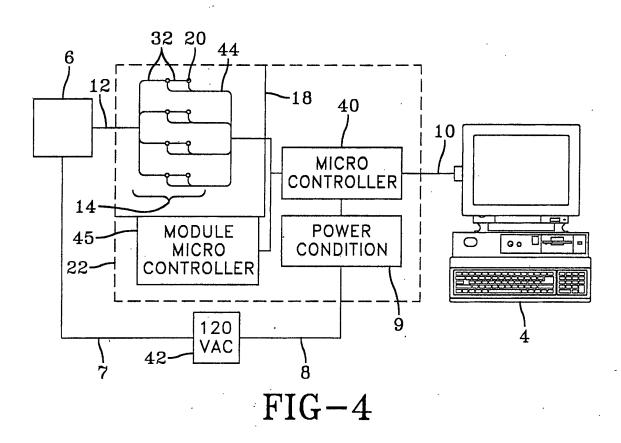


FIG-3



t_1	t ₂	t_3	t ₄
0	1	1	1
1	0	1 0	1
1	1	0	1
1	1	1	0

		COL 1	COL 2	COL 3	COL 4	COL 5
ROW	1	X				X
ROW	2		X		X	
ROW	3		X			X
ROW	4	X			X	

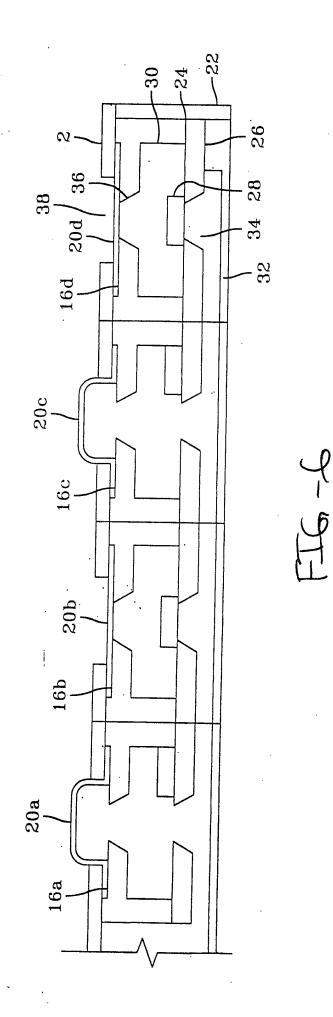
X BRAIL DOT EXTENDED

O OPEN ELECTRODE VOLTAGE

1 CLOSED ELECTRODE VOLTAGE

t 1	0	1	1	1	0
t 2	1	. 0	1	0	1
t 3	1	0	1	1	0
t4	0	1	1	0	1

FIG-5



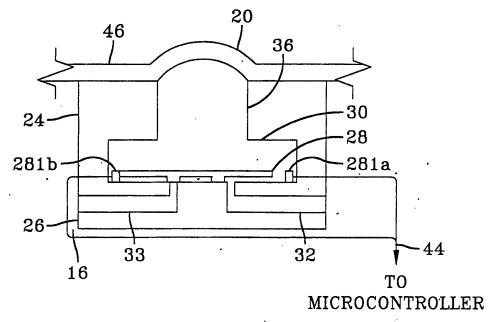


FIG- 7A

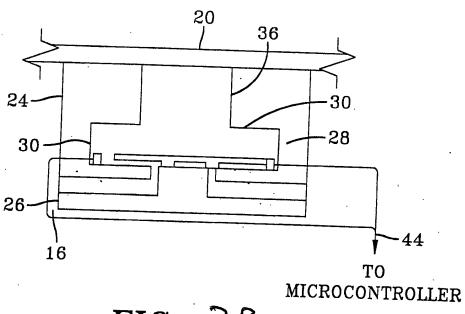
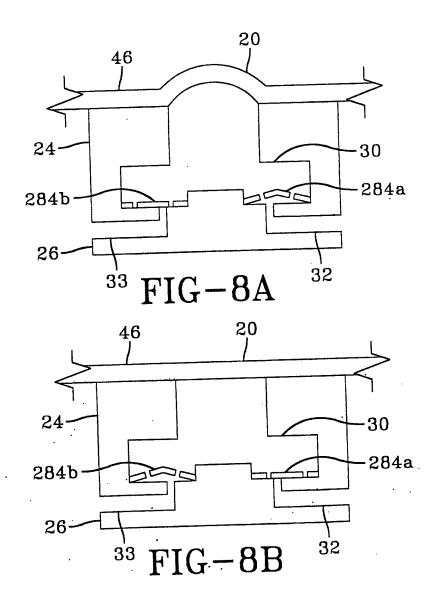


FIG-7B



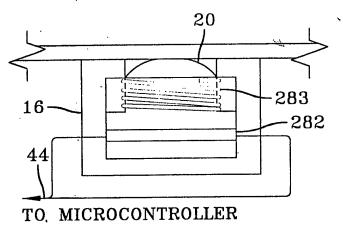


FIG-9A

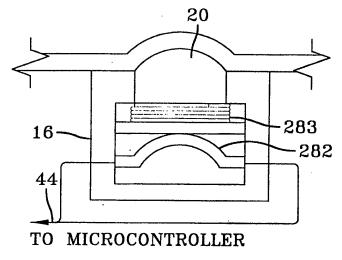
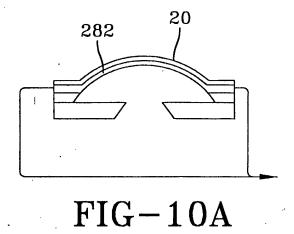
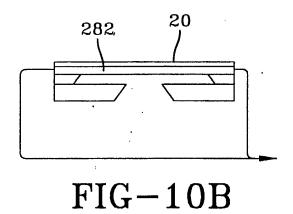
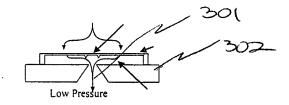


FIG-9B







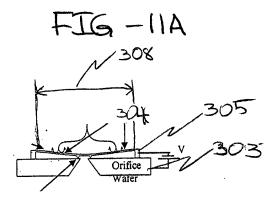


FIG-11B

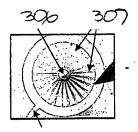


FIG-IIC

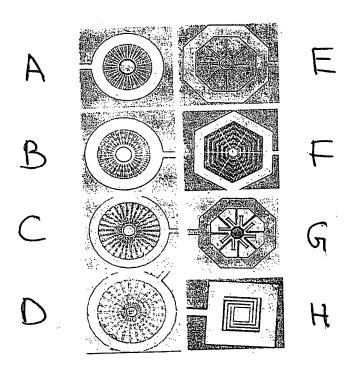


FIG-12